FORM PTO-1449

OIPE SEP 13 2004 PATENT AND TRADEMARK OFFICE

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE CITATION

Title: INDUCTION OF IMMUNE RESPONSE TO ANTIGENS EXPRESSED BY RECOMBINANT ADENO-ASSOCIATED VIRUS

ATTY. DOCKET NO. 51271/40 AV 1006.CON1.1	APPLICATION NO. 10/679,875
APPLICANT – Kurtzman et al.	
FILING DATE- 10/06/2003	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	1	4,683,195	07/28/1997	Mullis et al.			02/07/1986
	2	4,683,202	07/28/1987	Mullis			10/25/1985
	3	4,708,871	11/24/1987	Geysen			03/08/1984
	4	4,946,778	08/07/1990	Ladner et al.			01/19/1989
	5	4,965,188	10/23/1990	Mullis et al.			06/17/1987
	6	5,139,941	08/18/1992	Muzyezka et al.			10/25/1991
	7	5,173,414	12/22/1992	Lebkowski et al.			10/30/1990

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	8	WO 90/13678	11/115/1990	WIPO			No
	9	WO 92/01070	01/23/1992	WIPO			No
	10	WO 92/08981	05/29/1992	WIPO			No
	11	WO 93/03367	02/18/1993	WIPO			No
	12	WO 93/03769	03/04/1993	WIPO			No

EXAMINER _____ DATE CONSIDERED 2/1/05

EXAMINER: Initial if reference considered, whether or not citation is in conformation with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

EXAMINER'S INITIAL		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	13	Abbas et al., Nature, Vol. 383, 787-793, 1996.
	14	Ajello et al., "Adenovirus 5DNA Sequences Present and RNA Sequence Transcribed in Transformed Human Embryo Kidney Cells (HEK-Ad-5 or 293)" Virol., 94:460-469 (1997).
	15	Akidis et al., "Epitope-specific T Cell Tolerance to Phospholipase A, in Bee Venom Immunotherapy and Recovery bu IL-2 and IL-15 Vitro", J. Clinic Inverstment, 18, 1676-1683, 1996.
	16	Anderson, "Human Gene Therapy,: Nature 392:25-30 (1998).
	17	Anderson and Young, "Quantitative Filter Hybridization, in Nucleic Acid Hybridization", pp. 73-111, 1985.
	18	Attays et al., "Ham-2 corrects the class 1 antigen-processing defect in RMA-S cells," Nature 355-647-649, 1992
	19	Barr et al., "Efficient Catheter-medicated gene transfer into the heart using replication-defective adenovirus," Gene Therapy, 1:51-58, 1994
	20	Bauer et al., "Modulation of the Allergic Immune Response in BALB/c mice by subcutaneous injection of high doses of the dominant T cell epitope from the major birch pollen allergen Bet v. 1, "Clin. Exp. Immunol., 107: 536-541., 1997
	21	Berkner, "Development of Adenovirus Vectors for the Expression of Heterologous Genes," Bio Techn., 6:616-629, 1988
	22	Berns, "Parvoviridae and Their Replication" in Fundamental Virology, 2nd Edition, Fields and Knipe (eds.), pp. 817-837, Raven Press, New York, 1991
	23	Berns and Bohenzky, "Adeno-Associated Viruses: An Update, "Adv. Virus Res., 32:243-306, 1987
	24	Bett et al., "Packaging Capacity and Stability of Human Adenovirus Type 5 Vectors," J. Virol., 67-5911-5921, 1993
	25	Boshart, et al., "A Very Strong Enhancer is Located Upstream of an Immediate Early Gene of Human Cytomegalovirus," Cell 41:521-530, 1985
	26	Butler et al., "Herpes Simplex Virus Types 1 and 2 Completely Help Adenovirus-Associated Virus Replication," J. Virol. 40, 241-47, 1981
	27	Byrnes et al, "Immunological Instability of persistent Adenovirus Vectors in the Brain: Peripheral Exposure to Vector Leads to Renewed Imflammation Reduced Gene Expression, and Demyelination," J. Neuroscience 16: 3045-3055 (1996)
	28	Cao et al., "Vaccination with a multi-epitopic recombinant allergen induces specific immune deviation via T-cell energy," Immunol, 90: 46-51, 1997
	29	Capecchi, "High Efficiency Transformation by Direct Microinjection of DNA into Cultured Mammalian Cells," Cell 22:479-488, 1980
	30	Carter, "Adeno-associated virus vectors," Current Opinion biol., 3, 533-39, 1992
	31	Carter "Adeno-Associated Virus Helper Functions," in CRC Handbook of Parvoviruses, Voll (P. Tijssen, ed.,) 533-39, 1990
	32	Chamberlin et al., "New RNA Polymerase from Escherichia coli infected with Bacteriophage T7, "Nature 228:227, 1970
	33	Chao, et al., "Sustained Expression of Human Factor VIII in Mice Using a Parvovirus-Based Vecotr," Blood, Vol. 95 No. 5, March 1, 2000 1594-98.
	34	Chu and Sharp, "SV40 DNA transfection of cells in suspension analysis of the efficiency of transcription and translation of T-antigen," Gene 13:197-202, 1981
	35	Cole et al., "The EBV-Hybridoma Technique and its Application to Human Lung Cancer," in Monoclonal Antibodies and Cancer Therapy, Alan R., Liss, 77-96, 1985
	36	Cole et al., "Generation of Human Monoclonal Antibodies Reactive with Cellular Antigens," Proc., Natl. Acad. Sci., USA, 80, 2026-30, 1983
	37	Colosi et al., Blood 86 No. Suppl. 1,. 627a, 1995
	38	Condon, "DNA-based immunization by in vitro transfectiono f dendritic cells, Nature Med., 2, 1122-28, 1996
	39	Conrad et al., "Safety of Single-does Administration of an Adeno-associated Visur (AAV)-CFTR Vector in the Primate Lung." Gene Therapy., 3:658-668 (1996)
	40	Davis et al., "Basic Methods in Molecular Biology, Elsevier, 1986
	41	Dijkema et al, "Cloning and Expression of the Chromosomal Immune Interferon Gene of the rat, EMBO J. 4, 761767, 1985
✓	42	Doe et al., "Induction of HIV1 envelope (gp 120)-specific cytotoxic T lymphocyte responses in mice by recombinant CHO cell-derived gp 120 is enhanced by enzymatic removal of N-linked glycans, Eur. J. Immunol, 24:2369-2376, 1994

EXAMINER	DATE CONSIDERED 2/8/05

EXAMINER: Initial if reference considered, whether or not citation is in conformation with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

EXAMINER'S INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)	
	43	Edge et al., "Total Synthesis of a Human Leukocyte Interferon Gene," Nature 292:756-61, 1981
	44	Erickson et al., Hepatitis C. Virus-Specific, CTL, Responses in the Liver of Chimpanzees with Acute and Chronic Hepatitis C," J. Immunol., 151:4189-4199
	45	Erlich (ed.), PCR Technology, Stockton Press (1989) (Title and Copyright Pages only)
	46	Falo Jr. et al., "Targeting antigen into the Phagocytic pathway in vivo induces protective tumour immunity," Nature Med., 1, 649-53, 1995
	47	Felgner et al., Lipofection: A highly efficient, lipid,mediated DNA-transfection procedure," Proc. Natl. Acad. Sci. USA 84:7413-17, 1987
	48	Fisher et al., "Recombinant adeno-associated virus for muscle directed gene therapy," Nature Med., 3:306-312, 1997
	49	Flotte et al., "Stable in vitro expression of the cystic fibrosis transmembrane conductance regulator with an adeno-associatee virus vector," Proc. Natl. Acad. Sci. USA, 90:10613-16017, 1993
	50	Geysen et al., "A Priori Delineation of a Peptide which Mimics a Discontinuous Antigenic Determinant," Mol. Immunol., 23, 709-15, 1986
	51	Geysen, et al., "Use of Peptide synthesis to probe Viral Antigens for Epitopes to a Resolution of a Single Amino Acid," Proc. Natl. Acad. Sci. USA 81:3998-4002, 1984
	52	Glover et al., (ed.,) DNA Cloning: A Practical Approach Vols. I & II, 2nd ed., Oxford, New York, IRL Press (1995) (Title and Copyright Pages Only)
	53	Golding, et al., Am. J. Topr. Med. Hyg. Vol. 50(4) 33-40
	54	Gorman et al., "The Rous srcoma virus long terminal repeat is a strong promoter when introduced into a variety of eukaryotic cells by DNA-medicated transfection," Proc. Natl. Acad. Sci. USA, 79, 6777-81, 1982
	55	Graham et al., "Characteristics of a Human Cell Line Transformed by DNA from Human Adenovirus Type 5," J. Gen. Virol., 36, 59-72
	56	Graham et al., "A new Technique for Assay of Infectivity of Human Adenovirus Type 5," J. Gen. Virol, 52: 456-467, 1973
	57	Greenburg et al., "Endocrine Soc., June 9-11: Abstract 1206 (1993):
	58	Haj-Ahmad and Graham, "Development of a Helper-Independent Human Adenovirus Vector and Its Use in the Transfer of the Herpes Simplex Virus Thymidine Kinase Gene," J. Virol, 57: 267-74, 1986
	59	Harlow and Lane, Antibodies: A Laboratory Manual, Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY 1988
	60	Harris et al., "Molecular Basis for Heterogeneity of the Humans p53 Protein," Mol Cell Biol., 6, 4650-56, 1986
	61	Herzog, Roland W., "Stable Gene Transfer and Expression of Human Blood Coagulation Factor IX after Intramuscular Injection of Recombinant Adeno-Associated Virus," Proc. Natl. Acad. Sci. USA, Vol. 94, 5804-09, May, 1997.
	62	Hoyne et al., "Inhibition of T-cell Responses by Feeding Peptides Containing Major and Cryptic Epitopes; Studies with the der p1 allergen," Immunol., 83, 190-95, 1994
	63	Huber et al., "Retroviral-medicated gene therapy for the Treatment of Hepatocellular carcinoma: An innovative approach for cancer therapy," Proc. Natl. Acad. Sci. USA 88:8039-43, 1991
	64	Huse et al., "Generation of a Large Combinatorial Library of the Immunoglobulin Repertoire in Phage Lambda," Science 246, 1275-81, 1989
	65	Janik et al., "Locations of Adenovirus Genes required for the Replication of Adenovirus-associated Virus," Proc. Natl. Acad. Sci. USA 78: 1925-1929, 1981
	66	Jay et al., "Chemical Synthesis of a Biologically Active Gene for Human Immune Interferon-y," J. Biol. Chem., 259, 6311-17, 1984
	67	Jooss et al., "Transduction of Dendritic Cells by DNA Viral Vectors Directs the Immune Reponse to Transgene Products in Muscle Fibers," J. Virol. 72 (5):4212-4223 (1998)
	68	Kass-Eisler et al., "The impact of developmental stage, route of administration and the immune system on adenovirus-infected hepatocytes in vivo," Gene Therapy, 1:395-402 (1994)
	69	Karttunen et al., "Detection of rare antigen-presenting cells by the lacZ T-cell activation assay suggests an expression cloning strategy for T-cell entigens, Proc. Natl. Acad. Sci. USA, 89, 6020-24, 1992
	70	Kaplitt et al "Viral Vectors for Gene Delivery and expression in the CNS," Methods: A Companion to Methods in Enzymology 10: 343-350 (1996)
	71	Kessler et al., "Gene delivery to skeletal muscle results in sustained expression and systemic delivery of a therapeutic protein, Proc. Natl. Acad. Sci. UAS 24, Vol. 93, 14082-87, 1996
	72	Kim et al., "Use of the Human Elongation Factor 1a promoter as a versatile and efficient expression system.", Gene 91, 217-223, 1990

EXAMINER	DATE CONSIDERED 2/1/05

EXAMINER: Initial if reference considered, whether or not citation is in conformation with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

EXAMINER'S INITIAL		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	73	Kim et al., "Quantitative Analysis of T Cell Activation," J. Immunol., 156: 2737-42, 1996
	74	Klein et al., "High-velocity microprojective for deliverying nucleic acids into living cells," Nature 327: 70-73, 1987
	75	Kohler and Milstein, "Continuous cultures of fused cells secreting antibody of predefined specificity." Nature, 256, 495-978, 1975
	76	Kotin, "Prospects for the Use of Adeno-Associated Virus as a Vector for Human Gene Therapy." Human Gene Ther. 5, 793-801, 1994
	77	Kozbor et al., "The production of monoclonal antibodies from human lymphocytes," Immunol. Today 4:72-79, 1983
	78	Lang, In Principles of Animal Virology, Jokik (ed.) 255-57, Appleton-Century-Crofts, New York, 1980
	79	Lebowski et al., "Adeno-Associated Virus: a Vector System for Efficient Introduction and Integration of DNA into a Variety of Mammalian Cell Types, Mol. Cell. Biol., 8, 3988-96, 1988
	80	Liu, et al., "Recombinant Adeno-Associated Virus Expressing Human Papillomavirus Type 16 E7 Peptide DNA Fused with Heat Shock Protein DNA as a Potential Vaccine for Cervical Cancer," J. Virol. March, 2000, 2888-2894
	81	Maniatis et al., "Regulation of Inducible and Tissue Specific Gene Expression," Science, 236, 1237-44, 1987
	82	Manning, et al., "Genetic Immunization with Adeno-Associated Virus Vectors Expressing Herpes Simplex Virus Type 2 Glycoproteins B and D," J. Virol. October, 1997, 7960-62.
	83	Mannino et al., "Liposome Mediated Gene Transfer," BioTech., 6, 682-290, 1988
	84	Marshall et al., "Gene Therapy's Growing Pains," Science, Vol. 269, 1050-1055 (1995)
	85	Matusik et al., "Regulation of Prostatic Genes; role of androgens and zinc in gene expression," Biochem and Cell Biol., 64, 601-07, 1986
	86	McCarty et al., "Sequences Rquired for Coordinate Induction of Adeno-Associate Virus p19 and p40 Promoters by Rep Protein," J. Virol., 65, 2936-45, 1991
	87	McKechnie et al., "Cross-reactive antigens in the pathogenesis of onchocerciasis," Ann Trop. Med. Parasitol, 876, 649-652, 1993
	88	McPherson et al., "Human Cytomegalovirus Completely Helps Adeno-Associated Virus Replication," Virol, 147, 217-22, 1985
	89	Mittereder, et al., "Evaluation of the Efficacy and Safety of In Vitro, Adenovirus-Mediated Transfer of the Human Cystic Fibrosis Transmembrance Conductance Regulator cDNA," Human Gene Therapy, 5, 717-29, 1994
	90	Mizuhima and Nagata, "pEF-BOS, a powerful mammalian expression vector," Nuc. Acids. Res., 18, 5322, 1990
	91	Mizuno et al., "Adeno-associated Virus Vector Containing the Herpes Simplex Virus Thymidine Kinase Gene Causes Complete Regression of Intracerebrally Implanted Human Gliomas in Mice, in Conjuction with Ganciclovir Administration," Jpn. J. Cancer Res., 89: 76-80 (1998)
	92	Monaco, "A Molecular Model of MHC class I-restricted antigen processing," Immunol. Today 13, 173-78, 1992
	93	Muzyezka, "Use of Adeno-Associated Virus as a General Tradsduction Vector for Mammalian Cells," Curr. Top. Microbiol. Immunol., 158, 97-129, 1992
	94	Nambair et al., "Total Synthesis and Cloning of a Gene Coding for the Ribonuclease S. Protein," Science 223, 1299-1301, 1984
	95	Orkin, et al., "Report and Recommendations..." (1995)
	96	Remington's Pharmaceutical Sciences 18th ed., Easton Pa: Mack Pub. Co., 1990
	97	Rich et al., "Development and Analysis of Recombinant Adenoviruses for Gene Therapy of Cystic Fibrosis," Human Gene Therapy, 4, 461-76, 1993
	98	Rock, A new foreign policy: MHC class 1 molecules monitor the outside world," Immunol, Today 17, 131-37, 1995
	99	Rodriguez, et al., "DNA Immunication with Minigenes: Low Frequency of Memory Cytotoxic T Lymphocytes and Inefficient Antiviral Protection Are Rectified by Ubiquitination," J. Virol. 72:5174-5181 (1998)
	100	Sambrook et al., "Molecular Cloning: A Laboratory Manual, 2nd ed., pages 16.6-16.15, Cold Spring Harbor Laboratory Press, New York, 1989
	101	Samulski et al., "Helper-Free Stocks of Recombinant Adeno-Associated Viruses, Normal Integration Does not Require Viral Gene Expression." J. Virol., 63, 3822-28, 1989
	102	Schlehofer et al., "Vaccinia Virus, Herpes Simplex Virus and Carcinogens Induce DNA Amplification in a Human Cell Line and Support Replication of A Helpervirus Dependent Parvovirus," Virol., 152, 110-117, 1986

EXAMINER	DATE CONSIDERED 2/1/05

EXAMINER: Initial if reference considered, whether or not citation is in conformation with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

EXAMINER'S INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)	
	103	Schreiber et al., "Unique Tumor-Specific Antigens," Ann. Rev. Immunol. 6, 465-83, 1988
	104	Seth et al., "Mechanism of Enhancement of DNA Expression Consequent to Coinintenalization of a Replication-Deficient Adenovirus and Unmodified Plasmid, DNA," J. Virol. 68, 933-40, 1994
	105	Shelling and Smith, "Targerted integration of transfected and infected adeno-associated virus vectors containing the neomycin resistance gene," Gene Therapy, 1, 165-69, 1994.
	106	Shigekawa et al., "Electroporation of Eukaryotes and Prokaryotes: A General Approach to the Indrocution of Macromolecules into Cells," BioTech, 6, 742-51, 1988
	107	Sikora, "Genetic Approaches to Cancer Therapy," Gene Therapy, 1, 149-51, 1994
	108	Spence et al., "Regulation of A Bifunctional mRNA results in synthesis of secreted and nuclear probasin," Proc. Natl. Acad. Sci., USA, 86,7843-47, 1989
	109	Szomolanyi-Tsuda, et al., "T-Cell-Independent Immunoglobulin G Responses in Vivo are Elicited by Live-Virus Infection but Not by ummunization with Viral Proteins or Virus-Like Particles," J. Virol. 72:6665-6670 (1998)
	110	Thomson, et al., "Human Herpesvirus 6 (HHV-6) is a Helper Virus for Adeno-Associated Virus Type 2 (AAV-2) and the AAV-2 rep Gene Homologue in HHV-6 Can Mediate AAV-2 DNA Replication and Regulate Gene Expression, Virol., 204, 304-11, 1994
	111	Tratschin et al., Experientia Vol. 42, 695 (1986)
	112	Tsuji et al., "Recombinant Sindbis Viruses Expressing a Cytotoxic T-Lymphocyte Epitope of a Malaria Parasite or of Influenze Virus Elicit Protection against the Corresponding Pathogen in Mice." J. Virol., 72:6907-6910 (1998)
	113	Uetsuki et al., "Isolation and Characterization of The Human Chromosomal Gene for Polypeptide Chain Elongation Factor-1a," J. Biol. Chem., 264,5791-98, 1989
	114	Ulmer, et al., "Protective CD4+ and CD8+ T Cells against Influenza Virus induced by Vaccination with Nucleprotein DNA," J. Virol., 72:5648-5653 (1998)
	115	Unanue et al., "The Basis for the Immunoregulatory Role of Macrophages and Other Accessory Cells," Science 236, 551-557, 1987
	116	Van Bruggen et al., "Autoimmunity against nuclesomes and lupus nephritis," Ann. Med. Interne (Paris), 147, 485-89, 1996
	117	Verma et al., Science, Vol. 389,239-242 (1997)
	118	Verma and Somia, "Gene Therapy-promises, problems, prospects," Nature 389:2390242 (1997)
	119	Vincent et al., "Replication and Packaging of HIV Envelope Genes in a Novel Adeno-associated Virus Vector Syste," Vaccines 90, 353-59, (Cold Spring Harbor Laboratory Press), 1990
	120	Voss et al., "The role of enhancers in the regulation of cell-type-specific transcriptional control." Trends Biochem Sci., 11, 287-89, 1986
	121	Warshaw et al., "Pancreatic Carcinoma," N. Engl. J. Med., 326, 455-465, 1992
	122	Wu and Wallace, "The Ligation Amplification Reaction (LAR)-Amplification of Specific DNA Sequences Using Sequential Rounds of Template Dependent Ligation," Geonomics, 4, 560-69, 1989
	123	Xiao et al., Exp. Neurol. Vol. 144, 113-124, (1997)
	124	Xiao et al., "Efficient Long-Term Gene Transfer Into Muscle Tissue of Immunocompetent Mice by Adeno-Associated Virus Vector," J. Virol. 70, 8098-8108, 1996
	125	Yang et al., "Immune Responses to Viral Antigens Versus Transgene product in the elimination of recombvinant adenovirus-infected hepatocytes in vivo," Gene Therapy 3: 137-144 (1996)
	126	Yang et al., "Cellular Immunity to Viral Antigens Limits E1-deleted Adenoviruses for gene therapy," Proc. Natl. Acad. Sci. 91:L4407-4411 (1994)
	127	Yauch, et al., "Role of Individual T-Cell Epitopes of Theiler's Virus in Pathogenesis of Demyelination Correlates with the Ability to Induce a Th1 Response," J. Virol., 72: 6169-6174 (1998)
	128	Young et al., 'Adeno-Associated Virus – an Extreme State of Viral Defectiveness, Prog. Med. Virol., 25, 113-32, 1979
✓	129	Zhou et al., "Adeno-associated Virus 2-mediated High Efficiency Gene Transfer into Immature and Matrue Subsets of Hemotopoietic Progenitor Cells in Human Umbilical Cord Blood," J. Exp. Med., 179, 1867-75, 1994

EXAMINER: Initial if reference considered, whether or not citation is in conformation with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

EXAMINER	DATE CONSIDERED 2/1/05

EXAMINER: Initial if reference considered, whether or not citation is in conformation with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

EXAMINER'S INITIAL		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	9	Richard S.K. Apatu and Richard J. Barnes, *Journal of Physiology* (1991), "Blood Flow To And The Metabolism Of Glucose And Lactate By The Liver *In Vivo* In Fetal, Newborn, And Adult Sheep," pp. 431-447.
	10	K.R. Aigner, *Regional Cancer Treatment*, (1988) 1:11-20, "Isolated liver profusion: 5-year results," pp. 2-11.
	11	Yasutomi et al.; A vaccine-Elicited, Single Viral Epitope-Specific Cytotoxic T . . . Simian Immunodeficiency Virus Challenge, 1995, Journal of Virology: pp. 2279-2284.
	12	Ertl et al.; Genetic Immunization, 1996, Viral Immunology, vol. 9; pp. 1-9.
	13	Brockstedt et al.; Induction of Immunity to Antigens Expressed by Recombinant Adeno-Associated Virus Depends on the Route of Administration, 1999, Clinical Immunology: Vol. 92, No. 1, July, pp. 67-75.
	14	Bonnet, et al., "Recombinant Viruses as a Tool for Therapeutic Vaccination against Human Cancers," Immunology Letters 74 (2000) 11-25.
	15	Coulie, et al., "A Monoclonal Cytolytic T-lymphocyte Response Observed in a Melanoma Patient Vaccinated with a Tumor-Specific Antigenic Peptide Encoded by Gene MAGE-3," PNAS, Aug. 28, 2001, Vol. 98, No. 18, 10290-10295.
	16	Eder, et al., "A Phase I Trial of a Recombinant Vaccinia Virus Expressing Prostate-specific Antigen in Advanced Prostate Cancer," Clinical Cancer Research, Vol. 6, 1632-1638 (May 2000).
	17	Abstract of Khleif, et al., "A Phase I Vaccine Trial with Peptides Reflecting Ras Oncogene Mutations of Solid Tumors," PubMed, J Immunother (March 1999) 22(2): 155-65.
	18	Gulley, et al., "Phase I Study of a Vaccine Using Recombinant Vaccinia Virus Expressing PSA (rV-PSA) in Patients With Metastatic Androgen-Independent Prostate Cancer," The Prostate (2002) 53: 109-117.
	19	Johnen, et al., "Long-term Tumor Growth Supression in Mice Immunized with Naked DNA of the Human Tumor Antigen Mucin (MUC1)," Cancer Immunol Immunother (2001) 50: 356-360.
	20	Ben-Hur, et al., "Tumor-Preventive Effects of the Soluble p53 Antigen on Chemically-Induced Skin Cancer in Mice," Anticancer Research 18: 4237-4242 (1998).
	21	Berinstein, N., "Carcinoembryonic Antigen as a Target for Therapeutic Anticancer Vaccines: A Review," Journal of Clinical Oncology, Vol. 20, No. 8 (April 15, 2000) 2197-2207.
	22	White, et al., "Induction of Anti-Tumor Immunity by Intrasplenic Administration of a Carcineombryonic Antigen DNA Vaccine," The Journal of Gene Medicine, J Gene Med (2000) 2: 135-140.

EXAMINER	DATE CONSIDERED 2/1/05

EXAMINER: Initial if reference considered, whether or not citation is in conformation with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

OIPE JC35
SEP 13 2004
PATENT & TRADEMARK OFFICE

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE CITATION

Title: INDUCTION OF IMMUNE RESPONSE TO ANTIGENS EXPRESSED BY RECOMBINANT ADENO-ASSOCIATED VIRUS

ATTY. DOCKET NO. 51271/40	APPLICATION NO. 10/679,875
AV 1006.CON1.1	FILING DATE- 10/06/2003
APPLICANT – Kurtzman et al.	

U.S. PATENT DOCUMENTS

EXAMINER'S INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	1	6,710,036	03/23/04	Kurtzman et al.	514/44		05/16/01
	2	6,242,426	602001	Kurtzman et al.	514/44		07/23/98

EXAMINER'S INITIAL		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	3	Steven A. Curley, MD; Robert A. Newman, PhD; Thomas B. Dougherty, MD, PhD; George M. Fuhrman, MD; Diana L. Stone, BS; Jeffrey A. Mikolajek, CRNA; Sal Guercio, CCP; Ann Guercio, CCP; C. Humberto Carrasco, MD; M. Tien Kuo, PhD; David C. Hohn, MD, *Annals of Surgical Oncology* 1.(5) (1994), "Complete Hepatic Venous Isolation and Extracorporeal Chemofiltration as Treatment for Human Hepatocellular Carcinoma: A Phase I Study," pp. 389-399.
	4	Khleif, et al., "A Phase I Vaccine Trial with Peptides Relecting *ras* Oncogene Mutations of Solid Tumors," Journal of Immunotherapy, Vol. 22, No. 2 (Mar. 1999) 155-165.
	5	Michael V. Beheshtl, MD; Donald F. Denny, Jr, MD; Morton G. Glickman, MD; William Bodden, MD; John C. Marsh, MD; Roger Strair, MD; T.S. Ravikumar, MD, *Journal of Vascular and Interventional Radiology,* (Aug. 1992), "Percutaneous Isolated Liver Perfusion for Treatment of Hepatic Malignancy: Preliminary Report," pp. 453-458.
	6	Monteil e tal.; Genetic Immunization of seronegative one-day-old piglets against pseudorabies . . . in piglets from immune dams, 1996, Elsevier: pp. 444-452.
	7	Restifo et al.; Molecular Mechanisms Used by Tumors to Escape Immune Recognition: Immunogenetherapy and the Cell . . . . Complex Class I, 1993, Journal of Immunotherapy 14: pp. 182-190.
	8	Ross et al.; Gene Therapy in the United States: A Five-Year Status Report, 1996, Human Gene Therapy 7: pp. 1781-1790.

EXAMINER	DATE CONSIDERED 2/1/05

EXAMINER: Initial if reference considered, whether or not citation is in conformation with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.